

Liverpool John Moores University

Title: Industrial Management
Status: Definitive
Code: **6103MSE** (128578)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
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Academic Level: FHEQ6 **Credit Value:** 20 **Total Delivered Hours:** 26
Total Learning Hours: 200 **Private Study:** 174

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	12
Tutorial	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Open book examination	70	2
Report	AS2	Technical and economic assessment report	30	

Aims

This module is designed to develop the core management techniques required to assess the economic viability of a project and to design and implement a plan to deliver it.

Learning Outcomes

After completing the module the student should be able to:

- 1 Undertake a technical and economic assessment of a project
- 2 Design a viable plan to organise and control the implementation of a project
- 3 Explain the fundamental principles of intellectual property, and contract law

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Open book examination	1	2	3
Written report	1		

Outline Syllabus

Business case: technical and economic assessment, financial and economic appraisal (Demand modelling, financial modelling: costs, cash flow (NPV, IRR)), economic appraisal (consideration of externalities (environmental and social), ERR), CBA, Risk assessment.

Project management life cycle. Project scope. Project planning to achieve cost, time and quality objectives. Network techniques and the use of Gantt charts. Project execution. Quality and risk management of projects. Closing a project.

Fundamental principles of intellectual property law. Fundamentals of contract law.

Learning Activities

Lectures and tutorials

Notes

The module develops the skills to assess the financial and economic viability of an investment project and to design and implement plans to deliver it.